AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior version, and listings, of claims in the application:

Listing of Claims:

Claims 1-9 (canceled).

10. (New) A method for controlling an internal combustion engine, comprising:

detecting a signal of a structure-borne noise detector; and

determining at least one regulatory parameter for controlling the internal combustion engine based on the signal of the structure-borne noise detector, wherein the determining of the at least one regulatory parameter includes an analysis featuring a filtering of the signal of the structure-borne noise detector that selects at least two angular frequency ranges.

11. (New) The method of claim 10, wherein at least two regulatory parameters are determined.

12. (New) The method of claim 11, further comprising:

determining a third regulatory parameter based on a division of the at least two regulatory parameters.

13. (New) The method of claim 10, further comprising:

comparing the at least one regulatory parameter to a setpoint value; and

specifying, depending on a result of the comparison, at least one manipulated variable that influences at least one of an injection, a position of an intake valve, and a position of an exhaust valve.

14. (New) The method of claim 10, wherein a correlation coefficient that characterizes a deviation of a measured signal from a reference signal is determined as the at least one regulatory parameter, by a cross-correlation.

15. (New) The method of claim 14, wherein the reference signal corresponds to the structure-borne noise signal in preferred states.

16. (New) The method of claim 10, wherein the at least one parameter is one of an angular position of a crankshaft and of an angular position of a camshaft at which an event occurs.

17. (New) The method of claim 10, wherein the at least one regulatory parameter characterizes an intensity of a measured signal in selected angular ranges.

18. (New) A device for controlling an internal combustion engine, comprising:

a structure-borne noise detector for generating a signal;

at least one filter, the at least one filter receiving the signal from the noise detector and generating filtered signals by selecting at least two angular frequency ranges; and

a processor for determining at least one regulatory parameter for regulating the internal combustion engine, the at least one regulatory parameter being determined based on the filtered signals.